

# Data Base Section

21/12/2015

Triggers

المقدمة

م. ل. دة

6

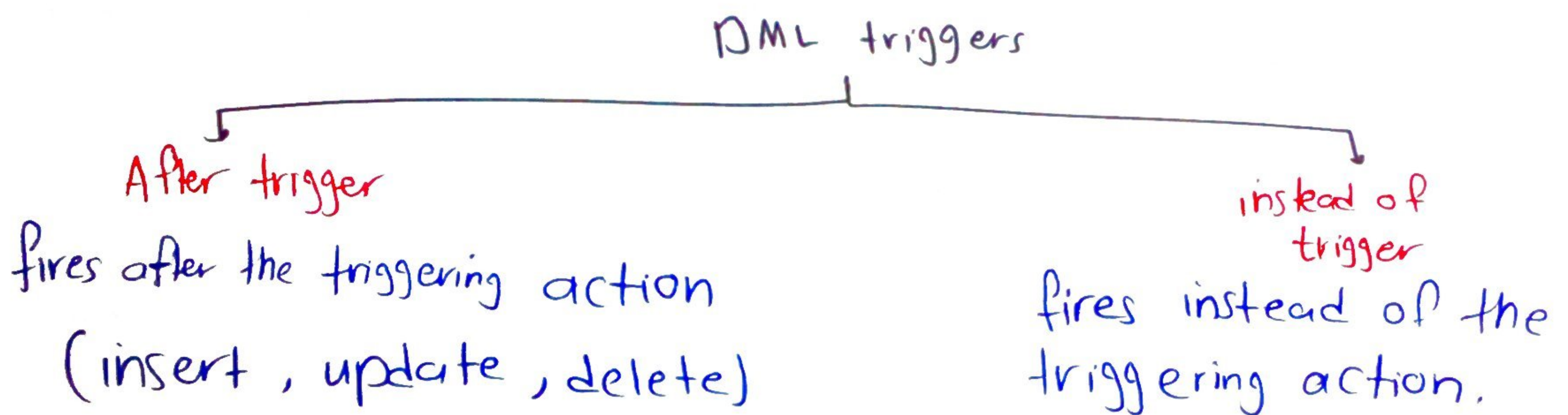
SQL server has 3 types of triggers.

- 1- DML triggers
2. DDL triggers
3. Logon trigger

**DML**: data manipulation ~~the~~ Language. insert - delete - update - select

**DDL**: data definition Language.

DML triggers: are fired automatically in response to DML event (insert, delete, update)



After triggers: Create

```
Create trigger tr-tblemployee PerInsert
on tblemployee
```

```
Per Insert
```

```
AS
```

```
Begin
```

```
select * from inserted
```

```
End
```

↑ آخر سجل (record) تم تخزينه باستخدام (insert)

ex: if " insert into tblemployee values  
(8, 'Ahmed', 4800, 'Male', 3)

the result:

id	name	salary	gender	dept ID
8	Ahmed	4800	Male	3

id	name	salary	gender	dept ID

1



Ex.:

Code:

```
Create trigger tr_tbl emp. for insert  
on   tbl emp  
for  insert → delete
```

As

Begin

~~insert into tbl emp Audit~~

Declare @Id int

Select @Id = id from inserted → deleted

insert into tbl emp Audit

values ('New employee with id = ' + Cast(@Id as nvarchar(5)) +

' is added at ' + Cast(getdate() as nvarchar(50)))

END

id	Audit date
1	New employee with id = 8 is added at 21/12/2011 10:30
3	employee with id = 7 is deleted at 21/12/2011 10:30

2